

(Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Bp:								
Bestpitch-----	0-5	40-90	---	6.1-7.3	0	0	8.0-32.0	0
	5-25	80-100	---	6.1-7.3	0	0	8.0-32.0	0
	25-37	20-70	---	6.1-7.3	0	0	8.0-32.0	0
	37-72	20-40	---	6.1-7.3	0	0	8.0-32.0	0
Ca:								
Carmichael-----	0-15	---	2.0-10	3.6-5.5	0	0	0	0
	15-19	---	2.0-10	3.6-5.5	0	0	0	0
	19-33	---	1.0-10	3.6-5.5	0	0	0	0
	33-72	---	1.0-10	3.6-5.5	0	0	0	0
Carmichael-----	0-15	---	2.0-10	3.6-5.5	0	0	0	0
	15-19	---	2.0-10	3.6-5.5	0	0	0	0
	19-33	---	1.0-10	3.6-5.5	0	0	0	0
	33-62	---	1.0-10	3.6-5.5	0	0	0	0
Co:								
Corsica-----	0-12	---	10-30	3.6-5.5	0	0	0	0
	12-18	---	5.0-15	3.6-5.5	0	0	0	0
	18-40	---	2.0-10	3.6-5.5	0	0	0	0
	40-48	---	2.0-10	3.6-5.5	0	0	0	0
	48-72	---	1.0-5.0	3.6-5.5	0	0	0	0
Corsica-----	0-12	---	10-30	3.6-5.5	0	0	0	0
	12-18	---	5.0-15	3.6-5.5	0	0	0	0
	18-40	---	2.0-10	3.6-5.5	0	0	0	0
	40-48	---	2.0-10	3.6-5.5	0	0	0	0
	48-72	---	1.0-5.0	3.6-5.5	0	0	0	0
DhC:								
Downer-----	0-5	---	5.0-10	3.6-5.5	0	0	0	0
	5-28	---	1.0-6.0	4.5-5.5	0	0	0	0
	28-40	---	1.0-3.0	4.5-5.5	0	0	0	0
	40-72	---	1.0-8.0	4.5-5.5	0	0	0	0
Hammonton-----	0-11	---	5.0-10	3.6-5.5	0	0	0	0
	11-24	---	3.0-6.0	4.5-5.5	0	0	0	0
	24-72	---	1.0-7.0	4.5-5.5	0	0	0	0
DoB:								
Downer-----	0-6	---	5.0-10	3.5-5.5	0	0	0	0
	6-30	---	1.0-6.0	4.5-5.5	0	0	0	0
	30-38	---	1.0-3.0	4.5-5.5	0	0	0	0
	38-72	---	1.0-8.0	4.5-5.5	0	0	0	0
DOE:								
Downer-----	0-10	---	2.0-7.0	3.6-5.5	0	0	0	0
	10-22	---	1.0-6.0	4.5-5.5	0	0	0	0
	22-60	---	1.0-3.0	4.5-5.5	0	0	0	0
	60-72	---	1.0-8.0	4.5-5.5	0	0	0	0
DUD:								
Downer-----	0-12	---	5.0-10	3.6-5.5	0	0	0	0
	12-24	---	1.0-6.0	4.5-5.5	0	0	0	0
	24-54	---	1.0-3.0	4.5-5.5	0	0	0	0
	54-72	---	1.0-8.0	4.5-5.5	0	0	0	0

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Unicorn-----	0-6	---	5.0-15	3.6-5.0	---	---	0	---
	6-28	---	1.0-9.0	3.6-5.5	---	---	0	---
	28-47	---	1.0-5.0	3.6-5.5	---	---	0	---
	47-68	---	1.0-3.0	3.6-5.5	---	---	0	---
	68-72	---	1.0-9.0	3.6-5.5	---	---	0	---
Fg:								
Fallsington-----	0-16	---	2.0-5.0	3.6-5.5	0	0	0	0
	16-37	---	1.0-3.0	3.6-5.5	0	0	0	0
	37-72	---	1.0-3.0	3.6-5.5	0	0	0	0
Fallsington-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-32	---	1.0-3.0	3.6-5.5	0	0	0	0
	32-72	---	1.0-3.0	3.6-5.5	0	0	0	0
FmA:								
Fort Mott-----	0-22	---	3.0-7.0	3.6-5.5	0	0	0	0
	22-60	---	4.0-10	3.6-5.5	0	0	0	0
	60-72	---	1.0-5.0	3.6-5.5	0	0	0	0
FmB:								
Fort Mott-----	0-26	---	3.0-7.0	3.6-5.5	0	0	0	0
	26-44	---	4.0-10	3.6-5.5	0	0	0	0
	44-72	---	1.0-5.0	3.6-5.5	0	0	0	0
GfB:								
Galestown-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-32	---	1.0-3.0	3.6-5.5	0	0	0	0
	32-72	---	1.0-3.0	3.6-5.5	0	0	0	0
Fort Mott-----	0-22	---	3.0-7.0	3.6-5.5	0	0	0	0
	22-40	---	4.0-10	3.6-5.5	0	0	0	0
	40-72	---	1.0-5.0	3.6-5.5	0	0	0	0
GfC:								
Galestown-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-32	---	1.0-3.0	3.6-5.5	0	0	0	0
	32-72	---	1.0-3.0	3.6-5.5	0	0	0	0
Fort Mott-----	0-26	---	3.0-7.0	3.6-5.5	0	0	0	0
	26-44	---	4.0-10	3.6-5.5	0	0	0	0
	44-72	---	1.0-5.0	3.6-5.5	0	0	0	0
GrA:								
Greenwich-----	0-12	---	---	3.6-5.5	0	0	0	0
	12-38	---	---	3.6-5.5	0	0	0	0
	38-47	---	---	3.6-5.5	0	0	0	0
	47-72	---	---	3.6-5.5	0	0	0	0
HnA:								
Hammonton-----	0-11	---	5.0-10	3.6-5.5	0	0	0	0
	11-24	---	3.0-6.0	4.5-5.5	0	0	0	0
	24-72	---	1.0-7.0	4.5-5.5	0	0	0	0
HnB:								
Hammonton-----	0-11	---	5.0-10	3.6-5.5	0	0	0	0
	11-24	---	3.0-6.0	4.5-5.5	0	0	0	0
	24-72	---	1.0-7.0	4.5-5.5	0	0	0	0

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Ho:								
Honga-----	0-12	30-70	---	6.1-7.3	0	0	16.0-32.0	0
	12-19	30-70	---	6.1-7.3	0	0	16.0-32.0	0
	19-26	5.0-15	---	6.1-7.3	0	0	4.0-32.0	0
	26-72	5.0-15	---	6.1-7.3	0	0	4.0-32.0	0
Hr:								
Hurlock-----	0-10	---	3.0-10	3.6-5.5	0	0	0	0
	10-31	---	1.0-5.0	3.6-5.5	0	0	0	0
	31-72	---	1.0-5.0	3.6-5.5	0	0	0	0
Hurlock-----	0-3	---	3.0-10	3.6-5.5	0	0	0	0
	3-22	---	1.0-5.0	3.6-5.5	0	0	0	0
	22-60	---	1.0-5.0	3.6-5.5	0	0	0	0
	60-66	---	1.0-5.0	3.6-5.5	0	0	0	0
IgA:								
Ingleside-----	0-8	---	1.0-5.0	3.6-5.5	---	---	---	---
	8-26	---	0.5-2.0	3.6-5.5	---	---	---	---
	26-72	---	0.5-2.0	3.6-5.5	---	---	---	---
IgB:								
Ingleside-----	0-10	---	1.0-5.0	3.6-5.5	---	---	---	---
	10-38	---	0.5-2.0	3.6-5.5	---	---	---	---
	38-59	---	0.5-2.0	3.6-5.5	---	---	---	---
	59-72	---	0.5-2.0	3.6-5.5	---	---	---	---
IgC:								
Ingleside-----	0-4	---	1.0-5.0	3.6-5.5	---	---	---	---
	4-36	---	0.5-2.0	3.6-5.5	---	---	---	---
	36-60	---	0.5-2.0	3.6-5.5	---	---	---	---
	60-72	---	0.5-2.0	3.6-5.5	---	---	---	---
Kn:								
Kentuck-----	0-10	---	10-30	3.6-5.5	0	0	0	0
	10-14	---	3.0-15	3.6-5.5	0	0	0	0
	14-72	---	5.0-20	3.6-5.5	0	0	0	0
Lo:								
Longmarsh-----	0-19	---	10-30	3.6-5.5	---	---	0.0-2.0	---
	19-34	---	2.0-10	3.6-5.5	---	---	0.0-2.0	---
	34-66	---	1.0-5.0	3.6-5.5	---	---	0.0-2.0	---
LZ:								
Longmarsh-----	0-19	---	10-30	3.6-5.5	---	---	0.0-2.0	---
	19-34	---	2.0-10	3.6-5.5	---	---	0.0-2.0	---
	34-66	---	1.0-5.0	3.6-5.5	---	---	0.0-2.0	---
Zekiah-----	0-4	---	10-30	3.6-5.5	---	---	0.0-2.0	---
	4-17	---	5.0-15	3.6-5.5	---	---	0.0-2.0	---
	17-40	---	15-30	3.6-5.5	---	---	0.0-2.0	---
	40-56	---	5.0-15	3.6-5.5	---	---	0.0-2.0	---
	56-72	---	1.0-5.0	3.6-5.5	---	---	0.0-2.0	---
M-W:								
Water-----	---	---	---	---	---	---	---	---
MkA:								
Matapeake-----	0-12	---	---	4.5-5.5	---	---	0	---
	12-64	---	---	3.6-5.5	---	---	0	---
	64-72	---	---	3.6-5.5	---	---	0	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MkB:								
Matapeake-----	0-10	---	---	4.5-5.5	---	---	0	---
	10-62	---	---	3.6-5.5	---	---	0	---
	62-72	---	---	3.6-5.5	---	---	0	---
MkC:								
Matapeake-----	0-10	---	---	4.5-5.5	---	---	0	---
	10-62	---	---	3.6-5.5	---	---	0	---
	62-72	---	---	3.6-5.5	---	---	0	---
MtA:								
Mattapex-----	0-12	---	2.0-15	3.6-5.5	0	0	0	0
	12-37	---	2.0-10	3.6-5.5	0	0	0	0
	37-72	---	2.0-5.0	3.6-5.5	0	0	0	0
Butlertown-----	0-11	---	---	4.5-6.0	---	---	0	---
	11-16	---	---	4.5-6.0	---	---	0	---
	16-48	---	---	4.5-6.0	---	---	0	---
	48-72	---	---	4.5-5.5	---	---	0	---
MtB:								
Mattapex-----	0-12	---	2.0-15	3.6-5.5	0	0	0	0
	12-37	---	2.0-10	3.6-5.5	0	0	0	0
	37-72	---	2.0-5.0	3.6-5.5	0	0	0	0
Butlertown-----	0-16	---	---	4.5-6.0	---	---	0	---
	16-29	---	---	4.5-6.0	---	---	0	---
	29-48	---	---	4.5-6.0	---	---	0	---
	48-72	---	---	4.5-5.5	---	---	0	---
MtC:								
Mattapex-----	0-12	---	2.0-15	3.6-5.5	0	0	0	0
	12-37	---	2.0-10	3.6-5.5	0	0	0	0
	37-72	---	2.0-5.0	3.6-5.5	0	0	0	0
NsA:								
Nassawango-----	0-10	5.0-15	---	4.5-6.5	---	---	0	---
	10-40	---	2.0-10	3.5-5.5	---	---	0	---
	40-72	---	1.0-3.0	3.5-5.5	---	---	0	---
NsB:								
Nassawango-----	0-8	5.0-15	---	4.5-6.5	---	---	0	---
	8-40	---	2.0-10	3.5-5.5	---	---	0	---
	40-72	---	1.0-3.0	3.5-5.5	---	---	0	---
Ot:								
Othello-----	0-12	---	8.0-20	4.5-5.5	0	0	0	0
	12-38	---	5.0-15	3.6-5.5	0	0	0	0
	38-72	---	1.0-5.0	3.6-5.5	0	0	0	0
Othello-----	0-9	---	8.0-20	4.5-5.5	0	0	0	0
	9-29	---	5.0-15	3.6-5.5	0	0	0	0
	29-50	---	1.0-5.0	3.6-5.5	0	0	0	0
	50-72	---	1.0-5.0	3.6-5.5	0	0	0	0
PiA:								
Pineyneck-----	0-14	---	2.0-15	3.6-5.5	---	---	0	---
	14-27	---	2.0-15	3.6-5.5	---	---	0	---
	27-32	---	2.0-10	3.6-5.5	---	---	0	---
	32-47	---	2.0-5.0	3.6-5.5	---	---	0	---
	47-72	---	2.0-10	3.6-5.5	---	---	0	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
PiB: Pineyneck-----	0-14	---	2.0-15	3.6-5.5	---	---	0	---
	14-27	---	2.0-15	3.6-5.5	---	---	0	---
	27-32	---	2.0-10	3.6-5.5	---	---	0	---
	32-47	---	2.0-5.0	3.6-5.5	---	---	0	---
	47-72	---	2.0-10	3.6-5.5	---	---	0	---
PiC: Pineyneck-----	0-14	---	2.0-15	3.6-5.5	---	---	0	---
	14-27	---	2.0-15	3.6-5.5	---	---	0	---
	27-32	---	2.0-10	3.6-5.5	---	---	0	---
	32-47	---	2.0-5.0	3.6-5.5	---	---	0	---
	47-72	---	2.0-10	3.6-5.5	---	---	0	---
Pk: Puckum-----	0-12	---	40-80	3.5-5.5	0	0	0.0-4.0	0
	12-72	---	40-80	3.5-5.5	0	0	0.0-4.0	0
UbB: Udorthents-----	0-2	---	---	4.5-5.0	0	0	0	0
	2-65	---	---	4.5-5.0	0	0	0	0
UdB: Udorthents-----	0-2	---	---	4.5-5.0	0	0	0	0
	2-65	---	---	4.5-5.0	0	0	0	0
UlB: Udorthents, Landfill-	---	---	---	---	---	---	---	---
UoA: Unicorn-----	0-11	---	5.0-15	3.6-5.0	---	---	0	---
	11-24	---	1.0-9.0	3.6-5.5	---	---	0	---
	24-35	---	1.0-5.0	3.6-5.5	---	---	0	---
	35-51	---	1.0-3.0	3.6-5.5	---	---	0	---
	51-72	---	1.0-9.0	3.6-5.5	---	---	0	---
UoB: Unicorn-----	0-10	---	5.0-15	3.6-5.0	---	---	0	---
	10-20	---	1.0-9.0	3.6-5.5	---	---	0	---
	20-28	---	1.0-5.0	3.6-5.5	---	---	0	---
	28-38	---	1.0-3.0	3.6-5.5	---	---	0	---
	38-72	---	1.0-9.0	3.6-5.5	---	---	0	---
Ur: Urban Land-----	---	---	---	---	---	---	---	---
UsA: Unicorn-----	0-11	---	5.0-15	3.6-5.0	---	---	0	---
	11-24	---	1.0-9.0	3.6-5.5	---	---	0	---
	24-35	---	1.0-5.0	3.6-5.5	---	---	0	---
	35-51	---	1.0-3.0	3.6-5.5	---	---	0	---
	51-72	---	1.0-9.0	3.6-5.5	---	---	0	---
Sassafras-----	0-10	---	2.0-10	3.6-5.5	0	0	0	0
	10-50	---	1.0-5.0	3.6-5.5	0	0	0	0
	50-72	---	1.0-5.0	3.6-5.5	0	0	0	0

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
UsB:								
Unicorn-----	0-10	---	5.0-15	3.6-5.0	---	---	0	---
	10-20	---	1.0-9.0	3.6-5.5	---	---	0	---
	20-28	---	1.0-5.0	3.6-5.5	---	---	0	---
	28-38	---	1.0-3.0	3.6-5.5	---	---	0	---
	38-72	---	1.0-9.0	3.6-5.5	---	---	0	---
Sassafras-----	0-10	---	2.0-10	3.6-5.5	0	0	0	0
	10-50	---	1.0-5.0	3.6-5.5	0	0	0	0
	50-72	---	1.0-5.0	3.6-5.5	0	0	0	0
UsC:								
Unicorn-----	0-10	---	5.0-15	3.6-5.0	---	---	0	---
	10-21	---	1.0-9.0	3.6-5.5	---	---	0	---
	21-38	---	1.0-5.0	3.6-5.5	---	---	0	---
	38-60	---	1.0-3.0	3.6-5.5	---	---	0	---
	60-72	---	1.0-9.0	3.6-5.5	---	---	0	---
Sassafras-----	0-6	---	2.0-10	3.6-5.5	0	0	0	0
	6-34	---	1.0-5.0	3.6-5.5	0	0	0	0
	34-72	---	1.0-5.0	3.6-5.5	0	0	0	0
W:								
Water-----	---	---	---	---	---	---	---	---
Wh:								
Whitemarsh-----	0-12	---	---	3.6-5.5	---	---	0	---
	12-62	---	---	3.6-5.5	---	---	0	---
	62-72	---	---	3.6-5.5	---	---	0	---

